

Information Assurance Technology Analysis Center (IATAC)

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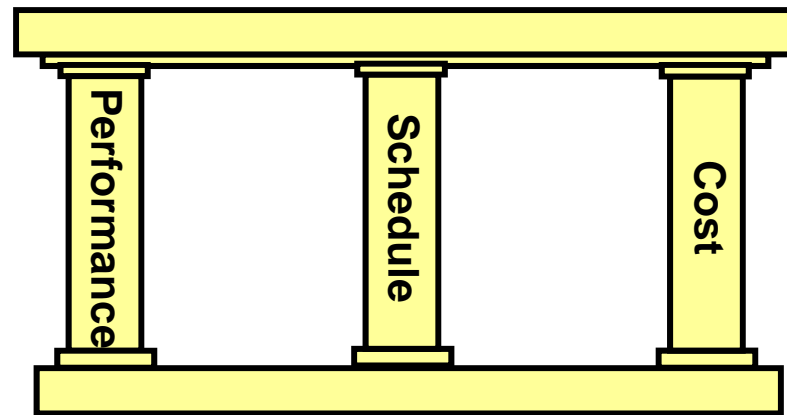
Information for the Defense Community **DTIC**[®]

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IATAC Background

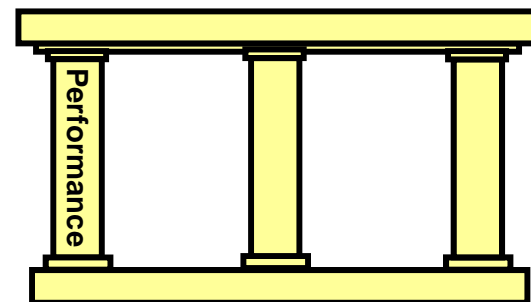
- Providing the DoD a central point of access for Information Assurance (IA) since 1996
- Identified by DAIG as an IA Center of Excellence
- IA holdings available for searching and downloading
- Lessons learned
- Processed significant number of Delivery Orders – many for PEO/PMs
- Present to NDU and DAU regularly
- Can do work up to the TS/SCI level





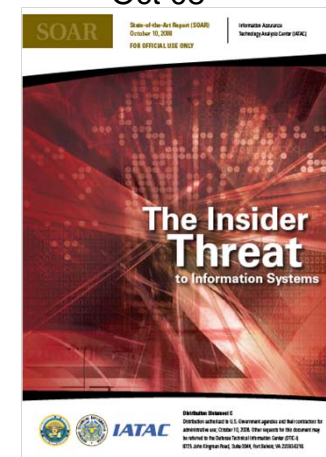
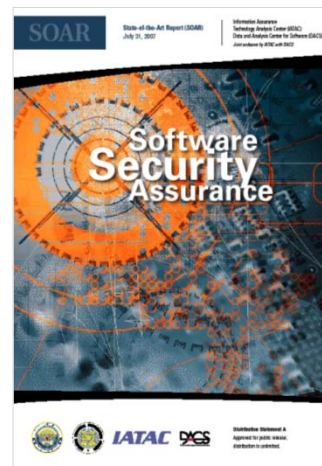
Providing Information

- PEO/PMs need readily available targeted information, and they need it at minimal/no cost
- We can provide you information through a variety of resources:
 - Web (<http://iac.dtic.mil/iatac>)
 - *IAnewsletter*
 - State-of-the-Art Reports (SOARs)
 - Critical Review Technology Assessments (CR/TAs)
 - Tools Reports
 - Total Electronic Migration System (TEMS)
 - Subject Matter Experts (SMEs)
 - Technical Inquiries
 - IA Digest
 - IA/IO Events Scheduler
 - Research Update



Our latest SOAR is
Software Security
Assurance

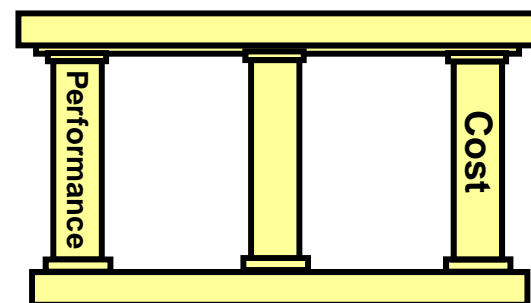
*Insider Threat to
Information Systems at
NSA for publishing 10
Oct 08*





Total Electronic Migration System (TEMS)

- Google like features accessible on any Web browser on any operating system
- Search, retrieve, and use STI from all 10 functional IAC domains
- Search individual IACs as “libraries”
- Utilize Boolean searches to locate information
- Perform pattern search for a general subject area
- Perform a concept search on a single term
- Search full metadata and document text
- Save queries
- View, edit, and export bibliographies in various formats



248K+ documents available In TEMS

1M+ Metadata records

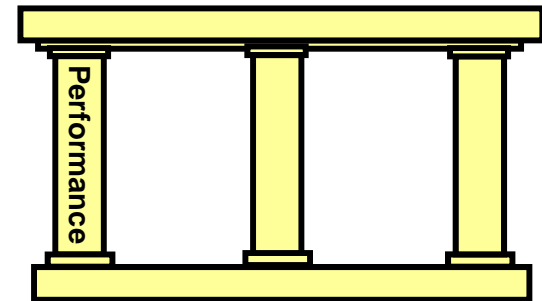
STI from government, industry and academia

Register at <https://tems-iac.dtic.mil>



IA Acquisition Strategy

- All PEO/PMs must follow a required set of IA acquisition instructions
 - Clinger-Cohen Act
 - DoDI 8580.1
 - DoDD 8500 series
- IATAC has SMEs with knowledge of IA acquisition requirements & access to resources to enhance your program
- IATAC provided research & development, recommendations, and SMEs for the development of Federal & DoD IA directives, instructions & guides
 - DoDD 8500.1 IA
 - DoDD 8500.2 IA Implementation
 - DoDI 8510.01 DIACAP Policy
 - Over 46 NIST Special Publications (800 series)



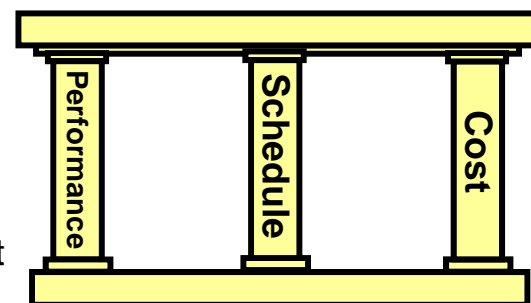
PEO/PMs are responsible for a program IA Strategy:

- IA within their program
- Funding resources for IA
- Dutiful implementation of IA
- <https://extranet.tias.osd.mil/programs>



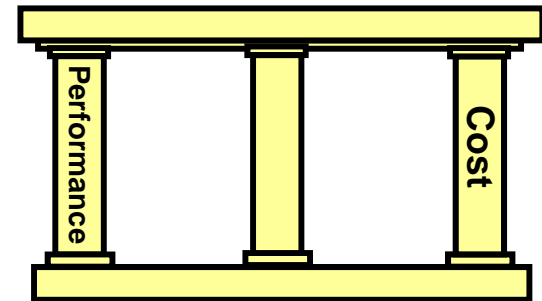
Certification & Accreditation

- Tool kit of resources to help the PEO/PMs achieve successful certification and accreditation
- Targeted recommendations to the development and writing of DIACAP policy for the ASD(NII)/DoD CIO
 - IATAC developed critical DIACAP concepts including impact codes and severity categories, type accreditations, inheritance, and IA control validation procedures
- Developed the web-based tool, the DIACAP Knowledge Service
 - Knowledge Service contains an online repository of authorized IA control sets for the GIG and a library of tools to assist in the execution of DIACAP
- Developed automated C&A management tool, Enterprise Mission Assurance Support Service (eMASS)
 - A joint research initiative of OSD(NII), OSD(AT&L), and DLA, eMASS reengineers and automates a broad range of IA functions to deliver a comprehensive, fully integrated IA management capability at the enterprise level



Training

- Provide PEO/PMs specialized training
- Developed the Training Database for the JTF that examined every position and the essential training required.
 - This effort has been a precursor to the DoDD 8570, which specifies training and certification requirements for every IA professional and positioned the JTF in front of the requirement, saving it time and resources.
- Provided the IA/NetOps curriculum to DoD students since 2004.

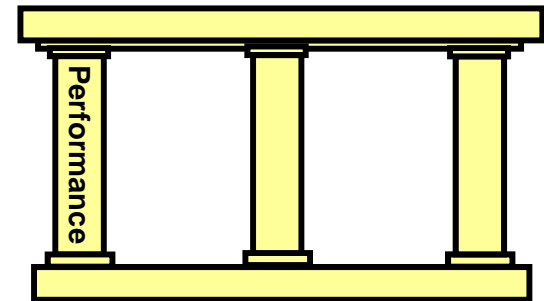


Over the past 12 months, IATAC has held specialized training classes, and has trained many individuals



Cutting Edge R&D

- Developed the Automated Security Self-Evaluation Tool (ASSET)
 - Identified by OMB as 1 of top 3 IT security accomplishments to automate NIST's Security Self-Assessment Guide for IT
 - Developed a proof of concept demonstration to showcase the Computer Network Defense (CND) data standards functionality in a net-centric environment
 - Standards being adopted across DoD and Federal Government
 - Provided commercial-off-the-shelf (COTS) supportability strategy for MILSATCOM terminal program offices
 - Identified IA requirements for current and future COTS routers
- Providing IA research and analysis for tactical switching network Joint Concept Technology Demonstration (JCTD) for SPAWAR and PEO C4I & Space

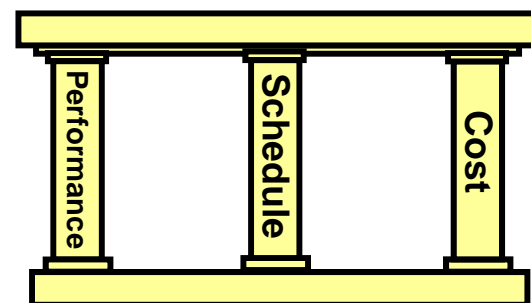


IATAC does your work everyday



Technical Inquiries

- PEO/PMs have specific tough IA questions that need to be addressed
- IATAC can answer your toughest time sensitive IA questions
 - All you need to do is be a DTIC registered user



- 0-4 hours • Basic Inquiry (free) - Answer IA questions
- 5-25 hours • Extended Inquiry - Search information sources, conduct analysis, determine analytical techniques to meet inquiries
- 24-40 hours • Search and Summary - Identify literature specific to the inquiry and provide copies of the most pertinent documents
- 40-80 hours • Review and Analysis - Provide in-depth analysis and synthesis of relevant literature and laboratory research on a particular subject

"The US Dept of Energy, Office of Intelligence and Counterintelligence is deeply indebted and very appreciative to IATAC."

Mr. Rich Kaplan, Department of Energy

In response to IATAC's answer to a question regarding the mandated conversion of IPV4 to IPV6

"Thanks very much, this package looks great. I appreciate the hard work!"

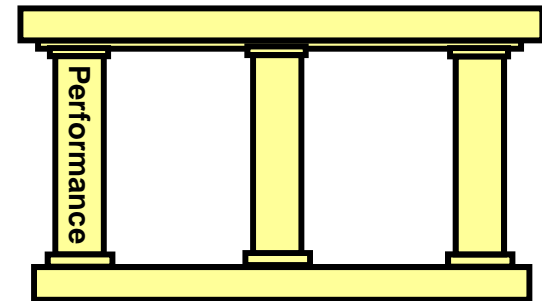
Ms. Patti Benner, Office of the Deputy CIO, ASD/NII

In response to IATAC's answer to a request to identify the top think tanks in the cyber community



IATAC SME Program

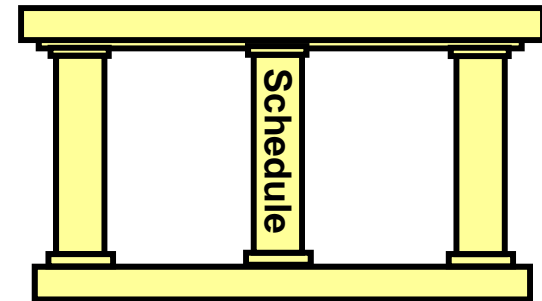
- Comprised of diverse group of IA and R&D professionals
- Members are part of the Government (to include DoD), Industry, and Academic communities
- Utilized as resources for technical inquiries and STI
- SME's have expertise in the following areas of Information Assurance:
 - DoD IA Strategy
 - DIACAP/eMASS
 - System Security Engineering
 - IA Requirements
 - IA Architectural Design
 - Computer Network Defense
 - IA Emerging Technologies Analysis
 - Information Warfare
 - Hacking
 - Information Security
 - Wireless Security
 - Information Operations
 - Security Tools
 - Cybercrime
 - Malicious Code
 - Standards and Guidance





IATAC Contract

- PEO/PMs need a contract that is flexible
- The IATAC contract was competitively awarded
 - This is not a sole source contract
- Competitive win allows for targeted Technical Area Tasks that brings the focused R&D skills to PEO/PM programs
- TATs can have up to 3-year Periods of Performance (POPs)
 - Reduces frequency of contractual actions saving time and resources
 - Facilitates a more measured approach to the work performed
- Subscription Accounts are available
 - Short duration, smaller funding level, specific focus
- Contract is R&D deliverables (STI) based
 - Allows for information sharing



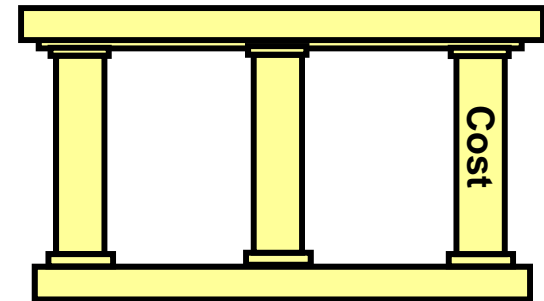
Sample work performed under a TAT:

IATAC performed research and analysis for the development of IA architectures for the Air Force's KC-10 aerial refueling aircraft onboard voice and data communication systems and navigation interfaces

- First time IA architectures had been developed for the KC-10

IATAC Contract

- Incremental funding allowed ... does not have to be fully funded upfront
 - Flexibility in funding in a resource constrained environment
 - TATs are executed as cost and schedule permits
- Can have funding across fiscal years (situational)



IATAC provided IA analysis for 2 prototype TSw/Network Management Systems (eNMS Increment I to Norfolk/Honolulu). IATAC successfully met cost, schedule, performance objectives for the USN Shore Modernization Strategy.



IATAC ... a partnership for IA success

- What can IATAC do for you?
 - Enhance your performance
 - Access information
 - Assist with meeting policy
 - Provide in-depth IA analysis
 - Keep your schedule
 - Provide cost-conscience solutions
- What can you do for IATAC that will mutually benefit all?
 - Register with DTIC and become an authorized user
 - Register with IATAC and become a SME
 - Submit your information for inclusion into TEMS and IATAC's holding
 - Submit technical articles for publication in the *IAnewsletter*
 - Become knowledgeable of IATAC's products and services and use them

Visit us on the Web:

<http://iac.dtic.mil/iatac>

Email us: iatac@dtic.mil

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